

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number
WO 2005/003619 A2

(51) International Patent Classification⁷: **F16N**
(21) International Application Number:
PCT/CA2004/000994
(22) International Filing Date: 7 July 2004 (07.07.2004)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
60/484,657 7 July 2003 (07.07.2003) US

(74) Agents: **FETHERSTONHAUGH & CO.** et al.; Suite 2200, 650 West Georgia Street, Box 11560, Vancouver Centre, Vancouver, British Columbia V6B 4N8 (CA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): **A.T.S. ELECTRO-LUBE HOLDINGS LTD.** [CA/CA]; 7388 Wilson Avenue, Delta, British Columbia V4G 1H3 (CA).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ORLITZKY, Tony** [CA/CA]; c/o A.T.S. Electro-Lube Holdings Ltd., 7388 Wilson Avenue, Delta, British Columbia V4G 1H3 (CA). **LENCAR, Diana** [CA/CA]; c/o A.T.S. Electro-Lube Holdings Ltd., 7388 Wilson Avenue, Delta, British Columbia V4G 1H3 (CA). **SHEREMETA, Danny** [CA/CA]; c/o A.T.S. Electro-Lube Holdings Ltd., 7388 Wilson Avenue, Delta, British Columbia V4G 1H3 (CA). **OEHR, Klaus** [CA/CA]; c/o A.T.S. Electro-Lube Holdings Ltd., 7388 Wilson Avenue, Delta, British Columbia V4G 1H3 (CA). **OLOMAN, Colin** [AU/CA]; c/o A.T.S. Electro-Lube Holdings Ltd., 7388 Wilson Avenue, Delta, British Columbia V4G 1H3 (CA).

Declarations under Rule 4.17:

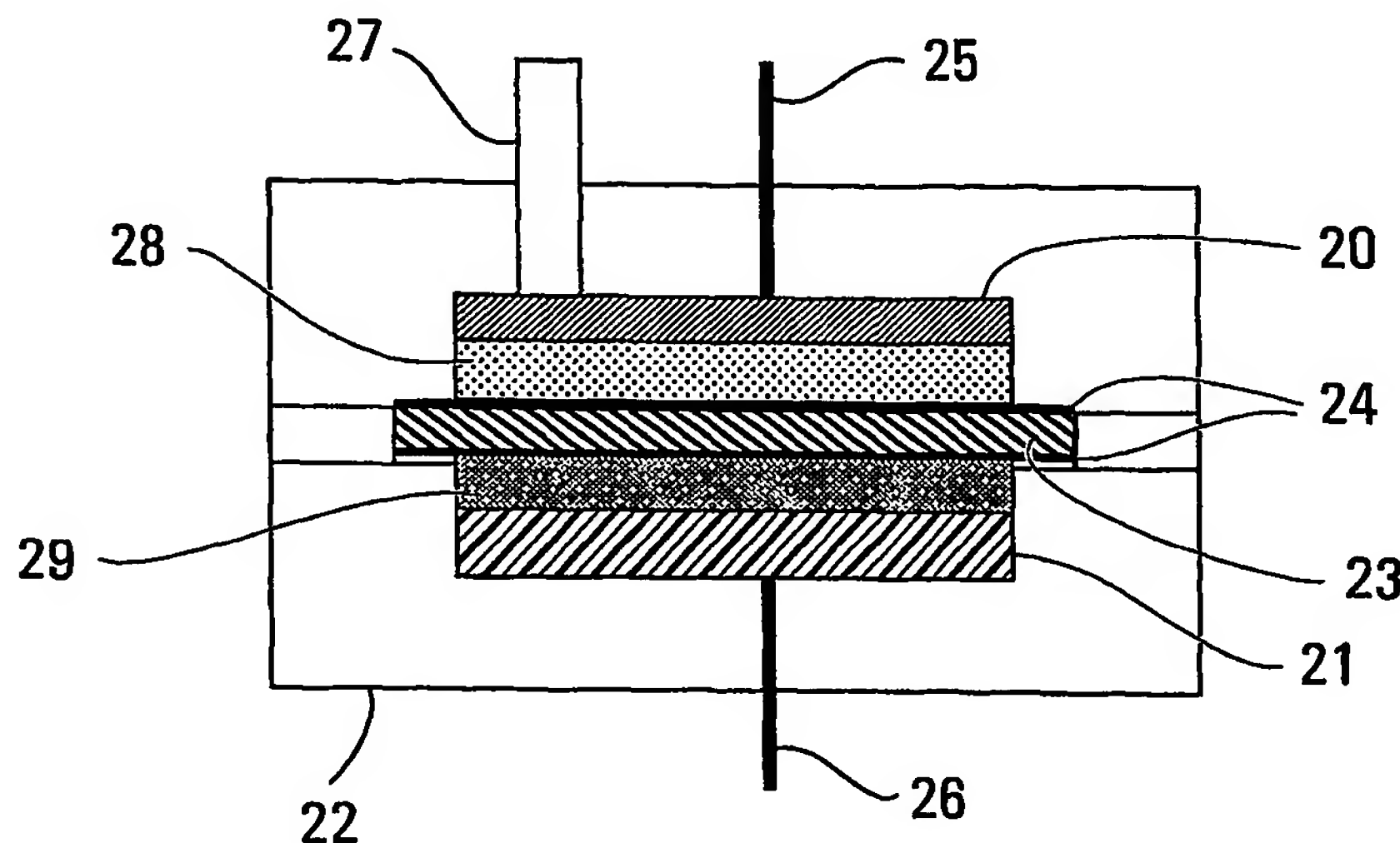
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

- without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: REUSABLE FLUID DISPENSER



(57) Abstract: The invention provides, in general, a reusable gas driven fluid transportation apparatus having subsystems or components that are adapted to be reused, replaced and/or recycled. All or a portion of the subsystems or components of the apparatus may be reused by replacement of parts (such as the gas generating unit) or by replacement of consumed components such as gas generating reactants, batteries or fluid. The apparatus may be used, for example, for applying lubricant to machine components such as a bearing.

WO 2005/003619 A2



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.